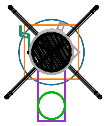

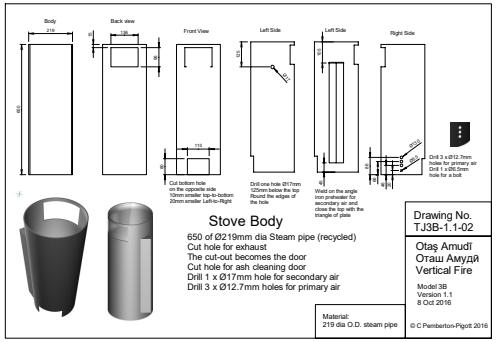
Body
Back view
Front View
Left Side
Left Side
Right Side
Cut bottom hole on the opposite side 10mm smaller top-to-bottom 20mm smaller Left-to-Right
Drill one hole Ø17mm 125mm below the top Round the edges of the hole
Weld on the angle iron preheater for secondary air and close the top with the triangle of plate
Drill 3 x Ø12.7mm holes for primary air Drill 1 x Ø6.5mm hole for a bolt
Stove Body
650 of Ø219mm dia Steam pipe (recycled)
Cut hole for exhaust
The cut-out becomes the door
Cut hole for ash cleaning door
Drill 1 x Ø17mm hole for secondary air
Drill 3 x Ø12.7mm holes for primary air
Material:
219 dia O.D. steam pipe
Drawing No.
TJ3B-1.1-02
Otaş Amudî
Оташ Амудӣ
Vertical Fire
Model 3B
Version 1.1
8 Oct 2016
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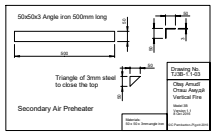
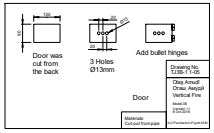
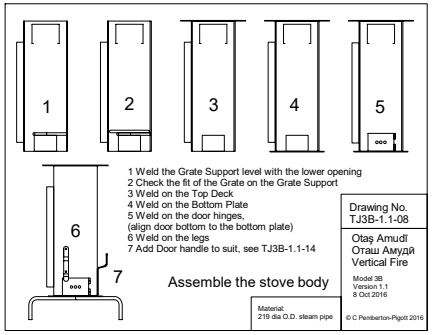

50x50x3 Angle iron 500mm long
Triangle of 3mm steel to close the top
Secondary Air Preheater
Drawing No.
TJ3B-1.1-03
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Door was cut from the back
3 Holes Ø13mm
Add bullet hinges
Door
Drawing No.
TJ3B-1.1-05
Otaş Amudî
Оташ Амудӣ
Vertical Fire


1
2
3
4
5
6
7
1 Weld the Grate Support level with the lower opening
2 Check the fit of the Grate on the Grate Support
3 Weld on the Top Deck
4 Weld on the Bottom Plate
5 Weld on the door hinges,
(align door bottom to the bottom plate)
6 Weld on the legs
7 Add Door handle to suit, see TJ3B-1.1-14
Assemble the stove body
Material:
219 dia O.D. steam pipe
Drawing No.
TJ3B-1.1-08
Otaş Amudî
Оташ Амудӣ
Vertical Fire
Model 3B
Version 1.1
8 Oct 2016
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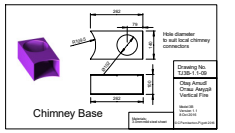
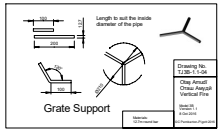
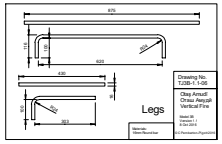
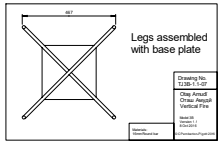
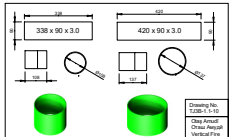
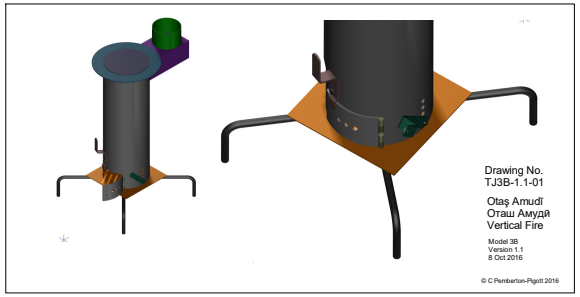

Hole diameter to suit local chimney connectors
Chimney Base
Drawing No.
TJ3B-1.1-09
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Length to suit the inside diameter of the pipe
Grate Support
Drawing No.
TJ3B-1.1-04
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Legs
Drawing No.
TJ3B-1.1-06
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Legs assembled with base plate
Drawing No.
TJ3B-1.1-07
Otaş Amudî
Оташ Амудӣ
Vertical Fire


338 x 90 x 3.0
420 x 90 x 3.0
Chimney Connectors
Match the local chimneys
Drawing No.
TJ3B-1.1-10
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Drawing No.
TJ3B-1.1-01
Otaş Amudî
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Vertical Fire
Model 3B
Version 1.1
8 Oct 2016
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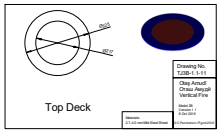
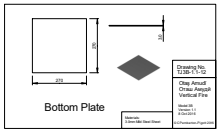
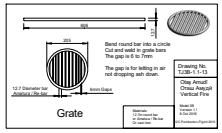
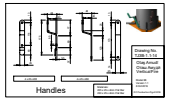

Top Deck
Drawing No.
TJ3B-1.1-11
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Bottom Plate
Drawing No.
TJ3B-1.1-12
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Bend round bar into a circle
Cut and weld in grate bars
The gap is 6 to 7mm
The gap is for letting in air
not dropping ash down.
12.7 Diameter bar
Aluminium / Flat bar
6mm Gaps
Grate
Drawing No.
TJ3B-1.1-13
Otaş Amudî
Оташ Амудӣ
Vertical Fire


Handles
Drawing No.
TJ3B-1.1-14
Otaş Amudî
Оташ Амудӣ
Vertical Fire